Continuous container supply device in continuous-filling packaging system and continuous-filling packaging system

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Abstract of **EP1035022**

A supply device which, in a retainer type continuous-filling packaging system, converts the movement of empty bags (W) supplied intermittently in a plurality of rows into a continuous motion in a single row and supplies these empty bags continuously to retainers (R) that are conveyed at a constant speed V0. The supply device includes an empty-bag holding member conveying device (21) and an intermittent bag supply device (2). In the empty bag holding member conveying device (21), a plurality of empty-bag holding members (that contain therein empty bags (W)) disposed at equal intervals are moved in one direction along a ring-form track that has a pair of parallel sections, and during this movement, the empty-bag holding members are moved intermittently by a specified distance (a distance equal to an integral multiple of an attachment spacing of the empty-bag holding members) on a bag entry side (A) of the parallel sections and are moved continuously at a constant speed on a bag exit side (B) of the parallel section. The intermittent bag supply device simultaneously supplies empty bags (W) to the plurality of empty-bag holding members (with one bag being supplied to each empty-bag holding member) on the bag entry side (A). On the bag entry side (A), empty bags (W) are supplied in a plurality of rows to stopped empty-bag holding members by the intermittent bag supply device; and on the bag exit side (B), the empty bags (W) are successively extracted from the continuously moving empty-bag holding members and supplied to the retainers (R) that are continuously conveyed.